DPD-5060-59

3 August 1959

PROBRAM APPROVAL

1. PURPOSE:

To modify rear main cargo door for C-llS aircraft which can be opened in flight. Present arrangement requires removal of cargo door prior to take-off. This has the following disadvantages:

- s. Crew and passengers forced to wear caygen masks for periods up to 8-10 hours at altitudes of 20,000 25,000 feet.
- b. Patigue and loss of alertness of crew and agents to be dropped results from spending many hours on oxygen and without pressurization.
- c. Flying without the cargo door in place tends to weaken the fuselage and is dangerous to fly in turbulent air conditions.
- d. Removal of door prior to flight compromises security in that it tends to indicate that aircraft is involved in a drop mission.

2. DESCRIPTION OF WORK OR SERVICES REQUIRED:

Modification requested requires the procurement of a C-118 rear main cargo door from USAP, and will permit modification without tieing up aircraft. This door would have an inner door cut into it about same size as the forward compartment door. The modification must be such as to retain the original cargo door strength, permit pressurised flight, be easily removed in flight and be compatible with the roller conveyor system.

3. EXPECTED ADDITIONAL OR HELATED WORK OR SERVICES:

None

25 YEAR RE-REVIEW

4. TOTAL ESTINATED COST: \$20,604

\$15,000 engineering labor, and material (not including door).

\$ 5,604 cost of door to be obtained from USAF sources.

Funds have been included in the FY-1960 budget.



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5. DELIVERY SCHEDULE OR PERIOD OF PERFORMANCE:

Forty-five days after receipt of door.

- 6. DEMARKS:
- e. It is desired that this modification be accomplished at the earliest possible time to permit this aircraft be used for a September drop mission.
- b. All estimates are being provided by CAT and the actual modification will be accomplished by CAT.
- o. Air Nateriel Command has a C-118 cargo door in stock and has reserved this door for us.

0.0 25X1 Authorized DPD-1877 Recovered APPROVED: OF RECOVERABLE TOR APPROVAL: --- APPROVED: (Approving officer strike out one) 7 /WC 19**59** - 4 Jr. RICANO IL BUSSRIL, JR. 25X1 Deputy Mirector (Plans) 7. 4. 4. 2. Matelbution orig - DOP (for approval and return to AMS) 1 - DDP (retein) 1 - 40/190 1 - NPB/Comptroller

- 1 MENANTS
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DPD/HB/AMS: ngs/4666 (3 August 1959)

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